

BE / C M P N / VIII (REV)
multimedia systems
13 / 05 / 13 Design

113 : 1ST HALF-13 (q)-JP

Con. 8220-13.

(REVISED COURSE)

GS-3196

(3 Hours)

[Total Marks : 100

- N.B. : (1) Question No. 1 is **compulsory**.
(2) Solve any **four** from the remaining **six** questions.
(3) Assume **suitable** data wherever **required**.

1. (a) What are the different types of workflow ? Suggest application of mail enabled workflow. 10
(b) You are appointed as a Consultant to set up a multimedia laboratory in an Engineering institute. Give specification of components, configuration, connectivity, software etc. along with the assumption. 10
2. (a) Explain the printout technology. Hence explain the working of a Laser printer. 10
(b) Explain JPEG compression in detail. 10
3. (a) Explain level 0 through level five of RAID functionality. 10
(b) Explain WAVE file format. 10
4. (a) Explain working of Scanner and hence explain reasons for use of CCD by these scanner. 10
(b) Describe the algorithm for CCITT Group 3 standard. How does CCITT Group differ from CCITT Group 3 ? 10
5. (a) Explain Authoring system and also explain different types of Authoring. 10
(b) What are the components of Distributed multimedia system ? 10
6. (a) Explain ADPCM in speech coding scheme. 10
(b) Explain MPEG-1 compression in detail. 10
7. Write short notes on following (any **two**) :— 20
 - (a) Knowledge based multimedia system
 - (b) MIDI communication protocol
 - (c) Video conferencing : Design issues.